BRUHAT BANGALORE MAHANAGARA PALIKE

NAME OF WORK : CONSTRUCTION OF HEAD ROOM, OVERHEAD TANK PROVIDING SANITARY WATER SUPPLY CONNECTIONS AND ELECTRICAL WORKS TO MARRIAGE COMMUNITY HALL BUILDING AT CHIKKABETTAHALLI IN WARD NO. 03

ABSTRACT OF ESTIMATE

SL NO.	DESCRIPTION	AMOUNT
1	Building	5034009.60
2	Sump	172402.72
3	Septic Tank	114803.87
4	Building Plumbing	946308.96
5	Electrical works	2990000.00
6	Borewell (1 Nos)	637500.00
7	Project management Consultancy Charges(1% of estimated cost)	100000.00
8	Miscellenious and rounding	4975.00
	TOTAL AMOUNT	**10000000**

CERTIFICATE:

1) The work spot has been inspected and found to be necessary
2) The work spot comes under B.B.M.P
3) The provisions made in the estimate are necessary and minimum
4) The estimate is based on C.S.R of 2016-2017, PWD (Elec) SR of 2014-15 & Bescom Sr of 2018-19. and approved rates, Issued Rates.

Assistant Engineer
BBMP

Assistant Executive Engineer
BBMP

Executive Engineer
BBMP
28/6/19

Administrative Approval
Accorded For Rs. 100.00 Lakhs
Head of A/C 2-0541
CER NO : 01 Dt: 28/6/19
E.E. (Project) 28/6/19

Technical Sanction
Accorded For 8900 sqmeters
Head of A/C 2-0541
CER NO : 38 Dt: 28.06.2
TA | CE (YNK)

BRUHAT BANGALORE MAHANAGARA PALIKE

NAME OF WORK : CONSTRUCTION OF HEAD ROOM, OVERHEAD TANK PROVIDING SANITARY WATER SUPPLY CONNECTIONS AND ELECTRICAL WORKS TO MARRIAGE COMMUNITY HALL BUILDING AT CHIKKABETTAHALLI IN WARD NO. 03

1. Building

								Est.Cost.Rs.	5034010
Sl No	Description of Item	Unit	No	L	B	D	Qty	Rate	Amount
1	KSRB 4-6.5 : Providing and removing centering, shuttering, strutting, propping etc., for columns, pillars, piers, abutments, post and struts, square / rectangular / polygon in plan including cost of all materials, labour complete as per specificaiton. Specification No. KBS 4.6.2 Pg No 16,Item No 4.32								
	Columns								
	Water Tank Room	Sqm	4	1.4		2.55	14.28		
	Head room	Sqm	2	1.4		2.55	7.14		
		Sqm	2	1.4		2.23	6.24		
	Basic rate							366	
	Add lift charges for Second Floor							15	
	Sub Total							381	
	Area weightage 8%							30.48	
	Total						**27.66**	**411.48**	**11381.54**
2	KSRB 4-6.7 :Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for sides and soffits of beams, beam haunchings, cantilever girders, bressumers and lintels not exceeding 1m in depth including cost of all materials, labour complete as per specificaitons.Specification No. KBS 4.6.2Pg No 16,Item No 4.34								
	water tank Room Roof Beams								
		Sqm	2	3.3		0.8	5.28		
		Sqm	2	4.5		0.8	7.2		
	Basic rate							256	
	Area weightage 8%							20.48	
	Total						**12.48**	**276.48**	**3450.47**
3	KSRB 4-6.3 : Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for flat surface such as suspended floors, roofs, landings, balconies and likes, thickness upto 200 mm including cost of all materials, labour complete as per specificaiton. Specification No. KBS 4.6.2 Pg No 15,Item No 4.18								
	Third Floor								
	water tank room								
	Roof Slab	Sqm	1	3.5	4.5		15.75		
	Side	Sqm	1	16		0.15	2.4		
	Basic rate							313	
	Add lift charges for third floor							4.5	
	Sub Total							317.5	
	Area weightage 8%							25.4	
	Total						**18.15**	**342.9**	**6223.635**

No	Description of Item	Unit	No	L	B	D	Qty	Rate	Amount
4	KSRB 4.2.8 : Providing and laying in position reinforced cementconcrete of design mix M25 with OPC cement @ 340kgs, with 20mm and down size graded granite metal coarse aggregates @0.70cum andfine aggregtes @ 0.47cum,with superplastisiser @3lts confirming to IS 9103-1999 Reaffirmed-2008, machine mixed, concrete laid in layers not exceeding 15 cms thick,vibrated fo all works in ground Floor level for roof slabs ,staircase, lintels , beams, retaining walls ,return wall, walls (an thivck ness) including attached plasters ,columns, pillars,posts,struts.butters,string or lacing courses ,parapets,coping,bed blocks,anchor blocks ,plain window cills,fillets including cost of all materials, labour,HOM of machinery, curing, complete as per specifications. No. KBS 4.1, 4.6, Pg No. 13, Item No. 4.12								
	Third floor								
	Head room								
	Column	Cum	2	0.2	0.5	2.55	0.51		
		Cum	2	0.2	0.5	2.23	0.44		
	water tank room								
	Column	Cum	4	0.2	0.45	2.55	0.91		
	beam	Cum	2	3.3	0.2	0.45	0.59		
		Cum	2	4.5	0.2	0.45	0.81		
	Roof Slab	Cum	1	3.5	4.5	0.15	2.36		
	Basic rate							6367	
	Add lift charges for third floor							150	
	Sub Total							6517	
	Area weightage 8%							521.36	
	Total						**5.62**	**7038.36**	**39555.5832**
5	Providing TMT Steel Reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications.TMT Bars Fe 500 Specification No.4.6.3. item No.4.46.2 page no.17								
	Column,Beam& Slab	cum	Concrete quantity				**5.62**		
		kg	Steel assumed 130Kg/Cum of Concrete				**730.60**		
		tonne					**0.73**		
	Basic rate							60607	
	Add lift charges for third floor							1416	
	Sub Total							62023	
	Area weightage 8%							4961.84	
	Total						**0.73**	**66984.84**	**48939.1241**
6	KSRB 5-14 : Providing and constructing precast concrete solid blocks having block density not less than 1800kg/m3 having a minimum average compressive strength 5.00N/mm2 confirming to IS 2185 (part 1) :2005 and constructed with cement mortar 1:4,as per IS 2572:2005 including cost of materials, labour charges, scaffolding, curing complete as per specifications. with solid blocks size of 400X200X200mm. Pg No. 25 Item No. 5.27.1								
	Third Floor								
	Head room								
		Sqm	1	6.6		2.55	16.83		
		Sqm	1	6.6		1.9	12.54		
		Sqm	2	3.75		2.23	16.68		

No	Description of Item	Unit	No	L	B	D	Qty	Rate	Amount
	Water Tank Room								
		Sqm	2	3.3		2.55	16.83		
		Sqm	2	4.5		2.55	22.95		
	Deduction								
	D3	Sqm	2	1.2		2.1	-5.04		
	W	Sqm	1	1.2		1.2	-1.44		
	Basic rate							937	
	Add lift charges for third floor							90	
	Sub Total							1027	
	Area weightage 8%							82.16	
	Total						**79.35**	**1109.16**	**88011.846**
7	Providing and constructing non-load bearing wall with solid concrete blocks of size 400X100X200 having a block density not less than 1800kg/m3 having a minimum average compressive strength of 4.00 N/mm2 conforming to I.S : 2185 (Part 1) : 2005 and constructed with CM 1:4, as per IS 2572:2005 including cost of all materials, labour charges, scaffolding, curing, hire chargesof machineries etc., complete as per specifications and as per the directions of the Engineer-in-charge of the work Pg No. 25 Item No. 5.28								
	Ground Floor								
	near lobby	Sqm	1	1.85		2.1	3.88		
	Basic rate							716	
	Area weightage 8%							57.28	
	Total						**3.88**	**773.28**	**3000.33**
8	KSRB15-3.8 : Providing 18mm thick cement plaster in single coat with cement mortar 1:4, to brick masonry including rounding off corners. wherever required smooth rendering, Providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications Pg No. 114,Item No.15.16								
	External Plastering								
	Ground Floor								
	portico Columns	Sqm	4	1.256		3	15.072		
	Basic rate							221	
	Area weightage 8%							17.68	
	Total						**15.072**	**238.68**	**3597.38496**
	First Floor								
	portico Columns	Sqm	4	1.256		3	15.072		
	Basic rate							221	
	Add lift charges for third floor							5	
	Sub Total							226	
	Area weightage 8%							18.08	
	Total						**15.072**	**244.08**	**3678.77376**
	Third Floor								
	Head room								
		Sqm	1	6.6		2.55	16.83		
		Sqm	1	6.6		1.9	12.54		
		Sqm	2	3.75		2.23	16.68		
	Water Tank Room								
		Sqm	2	3.3		3	19.8		
		Sqm	2	4		3	24		
	Deduction								
	D3	Sqm	2	1.2		2.1	-5.04		

Sl No	Description of Item	Unit	No	L	B	D	Qty	Rate	Amount
	W	Sqm	1	1.2		1.2	-1.44		
	Basic rate							221	
	Add lift charges for third floor							15	
	Sub Total							236	
	Area weightage 8%							18.88	
	Total						**83.37**	**254.88**	**21249.3456**
9	Providing 15mm thick cement plaster in single coat with cement mortar 1:6, to brick masonry including rounding off corners wherever required smooth rendering, Providing and removing scaffolding, including cost of materials, labour, curing etc. complete as per specifications Pg No. 113,Item No.15.14								
	Internal Plastering								
	Ground Floor								
	Lobby								
		Sqm	1	13		0.9	11.7		
		Sqm	1	4.95		0.9	4.455		
		Sqm	1	4.5		0.9	4.05		
	near lobby	Sqm	2	1.85		2.1	7.77		
	Gents Toilet	Sqm	1	18.5		0.9	16.65		
	Ladies Toilet	Sqm	1	18.5		0.9	16.65		
	near Hand wash Basin	Sqm	1	9.1		0.9	8.19		
	Deduction								
	V	Sqm	8	0.6		0.6	-2.88		
	Basic rate							167	
	Area weightage 8%							13.36	
	Total						**66.585**	**180.36**	**12009.27**
	First Floor								
	Toilets	Sqm	2	8.4		0.9	15.12		
	Deduction								
	V	Sqm	2	0.6		0.6	-0.72		
	Basic rate							167	
	Add lift charges for third floor							5	
	Sub Total							172	
	Area weightage 8%							13.76	
	Total						**14.4**	**185.76**	**2674.944**
	Second Floor								
	near Staircase	Sqm	1	1.9		0.9	1.71		
	Toilets								
		Sqm	1	8.4		0.9	7.56		
		Sqm	5	6		0.9	27		
		Sqm	1	6.2		0.9	5.58		
	Deduction								
	V	Sqm	7	0.6		0.6	-2.52		
	Basic rate							167	

No	Description of Item	Unit	No	L	B	D	Qty	Rate	Amount
	Add lift charges for third floor							10	
	Sub Total							177	
	Area weightage 8%							14.16	
	Total						**39.33**	**191.16**	**7518.3228**
	Third Floor								
	Head room								
		Sqm	1	6.6		2.55	16.83		
		Sqm	1	6.6		1.9	12.54		
		Sqm	2	3.75		2.23	16.68		
	Water Tank Room								
		Sqm	2	3.3		3	19.8		
		Sqm	2	4		3	24		
	Deduction								
	D3	Sqm	2	1.2		2.1	-5.04		
	W	Sqm	1	1.2		1.2	-1.44		
	Basic rate							167	
	Add lift charges for third floor							15	
	Sub Total							182	
	Area weightage 8%							14.56	
	Total						**83.37**	**196.56**	**16387.2072**
10	Providing 12mm thick cement plaster in single coat with cement mortar 1:3, to ceiling including rounding off corners wherever required smooth rendering, including providing and removing scaffolding, cost of materials, labour, curing etc. complete as per specification. complete as per specifications Pg No. 114,Item No.15.21								
	Entrance portico Slab	sqm	1	3.8	5.5		20.9		
	Basic rate							193	
	Area weightage 8%							15.44	
	Total						**20.9**	**208.44**	**4356.396**
11	KSRB15-5.2 : Providing rough cement plastering 15mm thick in single coat with cement mortar 1:6 to brick masonry for base of dadooing works with sand of approved quality, providing and removing scaffolding, inclding cost of materials, labour, curing complete as per specifications , Pg.No-115, Item No-15.31								
	Wall cladding								
	Ground Floor								
	Lobby								
		Sqm	1	13		2.1	27.3		
		Sqm	1	4.95		2.1	10.39		
		Sqm	1	4.5		2.1	9.45		
	Gents Toilet	Sqm	1	18.5		2.1	38.85		
	Ladies Toilet	Sqm	1	13.7		2.1	28.77		
	WC	Sqm	8	4.8		2.1	80.64		
			8	0.5		2.1	8.4		
	near Hand wash Basin	Sqm	1	9.1		2.1	19.11		
	Door Jam	Sqm	4	0.25		2.1	2.1		
	Building Front	Sqm	1	15		2.1	31.5		

No	Description of Item	Unit	No	L	B	D	Qty	Rate	Amount
	Deduction								
	D1	Sqm	2	0.9		2.1	-3.78		
	D2	Sqm	8	0.75		2.1	-12.6		
	Basic rate							157	
	Area weightage 8%							12.56	
	Total						**240.13**	**169.56**	**40716.4428**
	First Floor								
	Toilets	Sqm	2	8.4		2.1	35.28		
	near front Door	Sqm	2	0.6		2.1	2.52		
	Deduction								
	D2	Sqm	2	0.75		2.1	-3.15		
	Basic rate							157	
	Add lift charges for third floor							5	
	Sub Total							162	
	Area weightage 8%							12.96	
	Total						**34.65**	**174.96**	**6062.364**
	Second Floor								
	near Staircase	Sqm	1	1.9		2.1	3.99		
	Toilets								
		Sqm	1	8.4		2.1	17.64		
		Sqm	5	6		2.1	63		
		Sqm	1	6.2		2.1	13.02		
	Deduction								
	D2	Sqm	7	0.75		2.1	-11.025		
	Basic rate							157	
	Add lift charges for third floor							10	
	Sub Total							167	
	Area weightage 8%							13.36	
	Total						**86.625**	**180.36**	**15623.685**
	Third floor								
	Skirting								
	Water tank room	Sqm	1	15.2		0.1	1.52		
	Head room	Sqm	1	7.9		0.1	0.79		
	Deduction								
	D3	Sqm	2	1.2		0.1	-0.24		
	Basic rate							157	
	Add lift charges for third floor							15	
	Sub Total							172	
	Area weightage 8%							13.76	
	Total						**2.07**	**185.76**	**384.5232**

No	Description of Item	Unit	No	L	B	D	Qty	Rate	Amount
102	KSRB 14-17.2 : Providing skirting, dado, rises of steps with colour glazed tiles on 10mm thick cement plaster 1:3 and jointed with white cement slurry over rough plaster surface (excluding cost of rough plastered surface which should be measured and paid separately) using glazed tiles of approved make and size including cost of materials, labour, complete as per specifications. Specification No.KBS 14.16, 14.17 Pg No 106,Item No14.41.2								
	Ground Floor								
	Wall Clading								
	Gents Toilet	Sqm	1	9.25		2.1	19.425		
	Ladies Toilet	Sqm	1	9.25		2.1	19.425		
	WC	Sqm	8	4.8		2.1	80.64		
		Sqm	8	0.5		2.1	8.4		
	Basic rate							1484	
	Area weightage 8%							118.72	
	Total						**127.89**	**1602.72**	**204971.8608**
	First Floor								
	Wall Clading								
	Toilets	Sqm	2	8.4		2.1	35.28		
	Basic rate							1484	
	Add lift charges for third floor							1.5	
	Sub Total							1485.5	
	Area weightage 8%							118.84	
	Total						**35.28**	**1604.34**	**56601.1152**
	Second Floor								
	Wall Clading								
	Toilets								
		Sqm	1	8.4		2.1	17.64		
		Sqm	5	6		2.1	63		
		Sqm	1	6.2		2.1	13.02		
	Basic rate							1484	
	Add lift charges for third floor							3	
	Sub Total							1487	
	Area weightage 8%							118.96	
	Total						**93.66**	**1605.96**	**150414.2136**
	Third floor								
	Skirting								
	Water tank room	Sqm	1	15.2		0.1	1.52		
	Head room	Sqm	1	7.9		0.1	0.79		
	Deduction								
	D3	Sqm	2	1.2		0.1	-0.24		
	Basic rate							1484	
	Add lift charges for third floor							4.5	
	Sub Total							1488.5	
	Area weightage 8%							119.08	
	Total						**2.07**	**1607.58**	**3327.6906**

Sl No	Description of Item	Unit	No	L	B	D	Qty	Rate	Amount
13	Providing and fixing 20mm thick gang saw water cut LAKARED granite for Cladding in CM 1:4 proportion with a coat of rough plastering using CM 1:4, cut to required shape, pattern with paper joints, finished with cement mortar using white cement and colour pigments to match the colour of slab making through jointing with sealant, grooves in joints including cost of curing etc., complete including cost and conveyance of all materials, labour for all items of work, HOM of equipment etc., complete as per specification.page no 109 item no.14.60								
	CLADDING								
	ground Floor								
	Lobby								
		Sqm	1	13		2.1	27.3		
		Sqm	1	4.95		2.1	10.395		
		Sqm	1	4.5		2.1	9.45		
	near Hand wash Basin	Sqm	1	9.1		2.1	19.11		
	Door Jam	Sqm	4	0.25		2.1	2.1		
	Building Front	Sqm	1	15		2.1	31.5		
	Basic rate							3695	
	Area weightage 8%							295.6	
	Total						**99.855**	**3990.6**	**398481.363**
	First Floor								
	near front Door	Sqm	2	0.6		2.1	2.52		
	Basic rate							3695	
	Add lift charges for third floor							1.5	
	Sub Total							3696.5	
	Area weightage 8%							295.72	
	Total						**2.52**	**3992.22**	**10060.3944**
	Second Floor								
	near Staircase	Sqm	1	1.9		2.1	3.99		
	Basic rate							3695	
	Add lift charges for third floor							3	
	Sub Total							3698	
	Area weightage 8%							295.84	
	Total						**3.99**	**3993.84**	**15935.4216**
14	Providing and laying Hassan Green granite flooring for staircase, treads and rises using pre polished 20 mm thick water cut green Granite slab laid over existing cement concrete bed in CM 1:3, average 20mm thick including full rounding for nosing , cutting 3 line grooves not more than 2 mm wide for antiskidding, curing etc.,complete., (Sl. No. 14.51, Page No. 108)								
	Entry Steps near Portico								
		Sqm	30	1.9	0.3		17.1		
		Sqm	31	1.9	0.3		17.67		
	Landing	Sqm	1	3.2	2.6		8.32		
		Sqm	5	1.9	0.3		2.85		
		Sqm	6	1.9	0.15		1.71		
	Landing	Sqm		3.2	1.2		3.84		
	Basic rate							3987	

No	Description of Item	Unit	No	L	B	D	Qty	Rate	Amount
	Area weightage 8%							318.96	
	Total						51.49	4305.96	221713.8804
15	Providing and fixing granite flooring in combination of 19mm thick (Avg) gang saw water cut LAKARED granite with 86% and with 14% of 19mm thicl (avg) Black granite in CM 1:4 proportion with a coat of rough plastering using CM 1:4, cut to required shape, pattern with paper joints, finished with cement mortar using white cement and colour pigments to match the colour of slab making through jointing with sealant, grooves in joints including cost of curing etc., complete including cost and conveyance of all materials, labour for all items of work, HOM of equipment etc. (Item. No. 14.58, Page No. 109)								
	Ground floor								
	Kitchen	Sqm	1	11.33	4.3		48.719		
	Gas bank	Sqm	1	2.9	1.45		4.205		
	Store Room	Sqm	1	2.9	2.65		7.685		
	Lobby	Sqm	1	12.75	3.15		40.1625		
		Sqm	1	1.37	4.3		5.891		
	Basic rate							3722	
	Area weightage 8%							297.76	
	Total						**106.6625**	**4019.76**	**428757.651**
	Third floor								
	Water tank room	Sqm	1	3.3	4.3		14.19		
	Head room	Sqm	1	2.9	2.5		7.25		
	Basic rate							3722	
	Add lift charges for third floor							4.5	
	Sub Total							3726.5	
	Area weightage 8%							298.12	
	Total						**21.44**	**4024.62**	**86287.8528**
16	Providing and fixing Vetrified glazed tiles of approved make quality & colour of size 600x 600x 10 mm thick fixed on existing flooring withspecial adhesive for flooring ,skirting ad jointed with neat cement slurry mixed with pigment to match shade of tiles, including providing spacers at required interval and removing stains etc complete as per specificationPg no. 107 Item No.14.44								
	Ground Floor								
	gents toilet	Sqm	1	4.8	1.7		8.16		
	ladies toilet	sqm	1	4.85	2.3		11.155		
	Basic rate							1069	
	Area weightage 8%							85.52	
	Total						**19.315**	**1154.52**	**22299.5538**
17	KSRB 14.14-5: Providing Ceramic tiles of approved make ,shade and size for flooring, treads of steps and landings laid on a bed of 12mm thick, cement mortar 1:3 mix, flush pointing with white cement using colour pigment , including cost of materials, labour, curing, complete as per specifications.Specification No. KBS _do_ for Ceramic Tiles of size 30x30cms 6mm thick .Pg No 106,Item No14.36 .2								
	Ground floor								
	WC	Sqm	8	1.1	1.3		11.44		
	Basic rate							1176	
	Area weightage 8%							94.08	
	Total						**11.44**	**1270.08**	**14529.7152**
	First floor								
	Toilet	Sqm	2	3	1.2		7.2		
	Basic rate							1176	
	Add lift charges for First floor							1.5	

Item No	Description of Item	Unit	No	L	B	D	Qty	Rate	Amount
	Sub Total							1177.5	
	Area weightage 8%							94.2	
	Total						7.2	1271.7	9156.24
	Second Floor								
	toilets								
		Sqm	5	1.8	1.2		10.8		
		Sqm	1	3	1.2		3.6		
		Sqm	1	1.9	1.2		2.28		
	Basic rate							1176	
	Add lift charges for First floor							3	
	Sub Total							1179	
	Area weightage 8%							94.32	
	Total						16.68	1273.32	21238.9776
10	KSRB 10-2 : Providing and laying in position yelahanka tiles of size 250 x 250mm of approved quality and make, over a bed of cement mortar 1:3 an average thickness 25mm over weather proof course and pointed with cement mortar 1:3 mix with red oxide including curing cost of materials, labour complete as per specifications. Specification No. KBS..Pg No 66,Item No 10.1								
	Second Floor								
	Entrance portico Slab	sqm	1	3.8	5.5		20.9		
	Basic rate							804	
	Add lift charges for Second floor							3	
	Sub Total							807	
	Area weightage 8%							64.56	
	Total						20.9	871.56	18215.604
	Third floor								
	Terrace floor	sqm	1	21.05	19		399.95		
	Deduction	sqm							
	Water tank Room	sqm	1	3.5	4.5		-15.75		
	Head room	sqm	1	6.6	3.75		-24.75		
	Basic rate							804	
	Add lift charges for Third floor							4.5	
	Sub Total							808.5	
	Area weightage 8%							64.68	
	Total						359.45	873.18	313864.551

Description of Item	Unit	No	L	B	D	Qty	Rate	Amount
KSRB 7.11 : Providing and fixing in position aluminium windows and ventilators as per approved drawings with sliding shutters using three track window frame of size 92x31.75mm bottom section 1.3mm thick, weight 1.07kg/m; sides and top sections 1.3 mm, thick, weight 0.933 kg/m.shutter frame section comprising top and bottom section of size 40mmx18mm, wall thickness 1.25mm. weight 0.417 kg./m. shutter side outer 40mmx18mm. wall thickness 1.25mm. weight 0.417 kg/m, shutter interlock section 40mmx26.7mm wall thickness 1.1 mm. thick, weight 0.469 kg/m, the shutters mounted on nylon rollers with approved quality of fixtures such as aluminium handles tower bolts etc.; providing and fixing 5.5mm. thick plain glass for shutters fitted with rubber beading all aluminium sections including cutting to required length, joints mitred subdividing the frame tenonned and rivetted, in the assembled frame, stiffened with end clips for corners, angles etc., and fixed to the walls, lintels, floor beams/cills as the case may be, with necessary steel screws, raul plugs or teak wood gatties including cutting masonry or concrete and making good the original surface using cement mortar - using aluminium section powdered coated to a minimum of 60- 70 microns with exterior durable pure polyester grade powder of approved quality.Pg No.33 Item No.7.11.2								
Ground Floor								
W	Sqm	8	0.6		0.6	1.44		
Basic rate							4181	
Add lift charges for Third floor							5	
Sub Total							4186	
Area weightage 8%							334.88	
Total						**1.44**	**4520.88**	**6510.0672**
First floor								
W	Sqm	2	0.6		0.6	0.36		
Basic rate							4181	
Add lift charges for Third floor							5	
Sub Total							4186	
Area weightage 8%							334.88	
Total						**0.36**	**4520.88**	**1627.5168**
Second floor								
W	Sqm	10	1.8		1.6	14.4		
W1	Sqm	4	1.2		1.6	3.84		
V	Sqm	7	0.6		0.6	1.26		
Basic rate							4181	
Add lift charges for Third floor							10	
Sub Total							4191	
Area weightage 8%							335.28	
Total						**19.5**	**4526.28**	**88262.46**
Third Floor								
W	Sqm	1	1.2		1.2	0.72		
Basic rate							4181	
Add lift charges for Third floor							15	
Sub Total							4196	
Area weightage 8%							335.68	
Total						**0.72**	**4531.68**	**3262.8096**

Description of Item	Unit	No	L	B	D	Qty	Rate	Amount
KSRB 9.5-2 : Providing and fixing in position fully panelled Honne wood shutters for doors, styles and rails of 40mm. thick with bottom and lock rails 180mm wide top rail and styles 100mm wide as per drawing and panels of 25mm thick including cost of materials, labour, HOM of machineries complete as per specifications. (excluding cost of fixtures) Specification No. KBS 9.34, Pg No. 51, Item No. 9.15								
ground Floor								
D	Sqm	1	1.8		2.1	3.78		
D1	Sqm	3	0.9		2.1	5.67		
Basic rate							4643	
Area weightage 8%							371.44	
Total						**9.45**	**5014.44**	**47386.458**
First floor								
D1	Sqm	3	0.9		2.1	5.67		
Basic rate							4643	
Add lift charges for First floor							3	
Sub Total							4646	
Area weightage 8%							371.68	
Total						**5.67**	**5017.68**	**28450.2456**
Second floor								
D1	Sqm	7	0.9		2.1	13.23		
Basic rate							4643	
Add lift charges for Second floor							6	
Sub Total							4649	
Area weightage 8%							371.92	
Total						**13.23**	**5020.92**	**66426.7716**
Providing and fixing factory made single leaf rigid GRP Sandwich composite door shutter of 40 mm thick, laminated with two GRP skins with wood grain finish, fabricated using U.V-stabilized Isopthalic Gelcoat and one layer of 450 gns E-Glass Chopped Strand Mat (CSM), impregnated with orthopthalic polyester resin. The thickness of the skins shall not be less than 1.5mm. Expanded Polystyrene (EPS) structural foam panel of 37mm thickness and a density of 20 Kg/m3 shall be used as core material. Wooden reinforcements made of Seasoned Salwood block of cross section not lessthan 36mmx32mmand also necessary salwood reinforcements for fixing the metal fittings such as tower bolts, aldrops, handles, etc. shall be provided. A structural adhesive compatible with EPS foam shall be used for bonding the core material, the salwood reinforement and the skins. The material and process for manufacturing the door shutters shall confirm to RV-TIFAC Composites Design Centre Standards and specifications and the door shutters tested in confiramation to IS 4020-1994. The finish of shutter will be plain coulur White/IVORY/Beige/Light Grey or any other colour using high quality pigments. Excluding cost of fixtures and inclusive of supply of shutters to respective work spot. P.No.60, I.No.9.94								
Ground Floor								
D2	Sqm	8	0.75		2.1	12.6		
Basic rate							4000	
Area weightage 8%							320	
Total						**12.6**	**4320**	**54432**
First Floor								
D2	Sqm	2	0.75		2.1	3.15		
Basic rate							4000	
Add lift charges for First floor							3	
Sub Total							4003	
Area weightage 8%							320.24	

Description of Item	Unit	No	L	B	D	Qty	Rate	Amount
Total						3.15	4323.24	13618.206
Second Floor								
D2	Sqm	7	0.75		2.1	11.025		
Basic rate							4000	
Add lift charges for Second floor							6	
Sub Total							4006	
Area weightage 8%							320.48	
Total						11.025	4326.48	47699.442

22 KSRB 9.7-1: Providing and fixing in position fully panelled Teak wood shutters for doors, styles and rails of 40mm. thick with bottom and lock rails 180mm wide top rail and styles 100mm wide as per drawing and panels of 25mm thick including cost of materials, labour, HOM ofmachineries complete as per specifications. (excluding cost of fixtures) Specification No. KBS 9.34 Pg No. 51 Item No. 9.20

First Floor								
MD	Sqm	1	1.5		2.15	3.225		
Basic rate							7327	
Add lift charges for First floor							3	
Sub Total							7330	
Area weightage 8%							586.4	
Total						3.225	7916.4	25530.39
Second floor								
D	Sqm	1	2.95		2.4	7.08		
Basic rate							7327	
Add lift charges for First floor							6	
Sub Total							7333	
Area weightage 8%							586.64	
					TOTAL	7.08	7919.64	56071.0512

23 providing melamine polishing of approved shade includingremoving and refixing of doors shutters, glass, beading andexisting polishing scraping with blade and rubbing with zero size sand paper and applying sealer coat by way of spraying with necessary compressor and applying patty after rubbing with steel wool including two coats of approved shade of melamine polish etc., complete Pg no:124.Item no:15.97

First Floor								
Door Frames								
MD	Sqm	1	7.30	0.10		0.73		
	Sqm	2	7.30	0.075		1.10		
Door Shutter	Sqm	2	1.50		2.15	6.45		
Second Floor								
Door Frames								
D	Sqm	1	10.70	0.10		1.07		
	Sqm	2	10.70	0.075		1.61		
Door Shutter	Sqm	2	2.95		2.4	14.16		
Basic rate							907	
Area weightage 8%							72.56	
Total						25.11	979.56	24596.7516

24 Providing and applying painting two coats (excluding priming coat) on new wood surface and / or wood based surface with enamel paint to give an even shade, cleaning the surface of all dirt, dust and foreign matter, sand papering including cost ofmaterials, labour, complete as per specifications. Pg no:118.Item no:15.60.1

Sl No	Description of Item	Unit	No	L	B	D	Qty	Rate	Amount
	Ground Floor								
	D	Sqm	1	9.20	0.15		1.38		
		Sqm	2	9.20	0.125		2.30		
	D1	Sqm	3	6.00	0.10		1.80		
		Sqm	6	6.00	0.075		2.70		
	First Floor								
	D1	Sqm	3	6.00	0.10		1.80		
		Sqm	6	6.00	0.075		2.70		
	Second Floor								
	D1	Sqm	7	6.00	0.10		4.20		
		Sqm	14	6.00	0.075		6.30		
	Basic rate							84	
	Area weightage 8%							6.72	
	Total						**23.18**	**90.72**	**2102.8896**
25	Providing and fixing Stainless steel staircase raling as per Chief Architect Drawing No. 11520/ HRSC with hand rail 50mm dia 16 guage hollow pipe welded to vertical hollow 50mm dia pipe of 16 guage, stainless steel vertical pipe spaced at 1.20m regular intervals, and 5 Nos of 25mm dia. Stainless steel hollow horizontal pipe are welded to vertical 50mm dia hollow pipe. The entire assembly is fixed to staircase concrete by using expansion bolts by drilling concrete etc., complete including cost of materials, labour, HOM of machineries and electrical charges, etc., complete as per specifications. Pg 43 Item no.7.38								
	Entrty portico Steps	Sqm	1	24		1	24		
	Entrance portico Slab	sqm	1	14.8		1	14.8		
	Basic rate							6147.00	
	Area weightage 8%							491.76	
	Total						**38.80**	**6638.76**	**257583.89**
26	KSRB 7.3 : Providing and fixing 1mm thick M.S. sheet garage door with frame and diagonal braces of size 40x40x6 mm angle Iron, 3.15mm thick M.S. Gusset plates at the junctions and corners, with handles, stoppers and locking arrangements etc., including applying a priming coat of red lead paint cost of materials, labour, HOM of machinery complete as per specifications. Double leaf door of size 2.4x2.4m. Specification No. KBS 7.9 / 7.12. (P.No. 31, I.No. 7.3)								
	Ground Floor								
	MD	Sqm	1	2.1		2.1	4.41		
	D	Sqm	1	1.8		2.8	5.04		
	Third Floor								
	Water Tank Room	Sqm	1	1.2		2.1	2.52		
	Head Room	Sqm	1	1.2		2	2.4		
	Basic rate							2332.00	
	Area weightage 8%							186.56	
	Total						**14.37**	**2518.56**	**36191.71**

Description of Item	Unit	No	L	B	D	Qty	Rate	Amount
PROVIDING TRAPEZOIDAL PROFILED SHEET Providing and installing of pre painted Galvolume iron Trapezoidal profiled sheet of approved make 1060 mm width (1000 mm cover width), 28-30 mm crest height with crest distance of 200 mm c/c with 2 ribs at the centre for stiffening. The total coated thickness (TCT) of the sheet will be 0.47 mm +/- 0.02 mm tolerance Zinc-Alu Alloy coating AZ150 gsm as per ASTM 1397/A755-550 mpa steel grade, 5-7 microns epoxy primer on both side of the sheet and polyester top coat 20-22 microns using self drilling/self tapping screws of 25 mm length, to be fixed over the existing purlins, rafters, channels and trusses.Pg No.300 Item No.38.30								
Head Room roof	Sqm	1	6.60	3.75		24.75		
Basic rate							770.00	
Area weightage 8%							61.60	
Total						24.75	**831.60**	**20582.10**
Fabricating, supplying and erecting M.S. TubularTruss of span upto 10m. The bottom and top member is provided with 50x50x6mm double equal angles, welded back to back and in between top and bottom line, in areas of mid section is provided with 50x50x6mm equal single angle for vertical and inclined members and at supporting ends 40x40x5mm single angle is provided. All the members are welded together with 6mm gusset plate as per Drawing. The entire truss is anchored in RCC column by using 4 Nos. of M.S. anchor bolts at each support, with 10mm thick base plate and shoe plate.The work includes cutting, straightening, placing in position of M.S angle and wleding wherever necessary, and applying one coat of red oxide primer coat to all themembers including cost of all materials, labour charges, and hire charges of machineries for cutting, welding, grinding and erection equipments, with all lead and lift, transportation, etc., complete as per specification. (Page No. 40 Item No. 7.29).								
Head Room roof	kgs	1	(7 X 3.75 X 34.38)=902.48			902.48		
	(number of purlins X length of purlin X 8mm thick Square hollow section weight per meter)							
Basic rate							110	
Area weightage 8%							8.8	
Total						**902.48**	118.8	**107214.03**
providing applying two coats of wall putty to inside plastered walls and ceiling using white cement putty . Scrapping and levelling the surface using steel blade and preparing the surface even and smooth by using different grade sand papers, including cost of alll mateerial cost of labour and scaffolding etc. ,complete as per specification. Pg No.126 Item No.15.106								
External Wall putty								
Ground floor								
North and Southernside wall	Sqm	2	21.05		3	126.3		
Eastern and western side wall	Sqm	2	15		3	90		
Colum projection	Sqm	14	0.3		3	12.6		
portico Columns	Sqm	4	1.256		3	15.072		
Chajjas								
ground floor								
W	Sqm	11	2.10	0.60		13.86		
Front	Sqm	11	2.10		0.10	2.31		